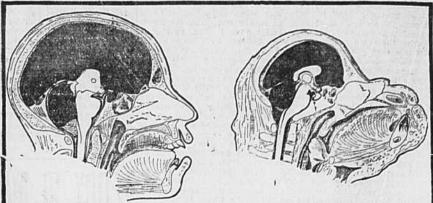
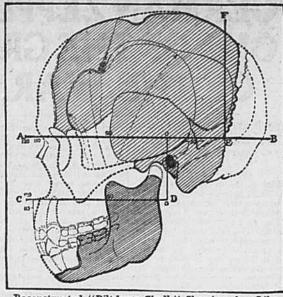
JUST HOW WE ARE RELATED to MONKEYS



Prof. Keith Shows How Gibbon and Gorilla Are Really Very Distant Cousins of Man, Descended from Warlike Parents of Over a Million Years' Antiquity.



Reconstructed "Piltdown Skull," Showing Ape-Like Teeth and Deficient Chin.

Comparison Between the Head of an African of the Primitive Type and an Ape. The Black Parts Indicate Brain Area.

NE million two hundred thou able researches in the field of sand years ago, when all ani- anthropology have resulted in many mal life originated from a wonderful discoveries of world-pugnacious ancestry is plately indicated by the fact that nearly all of Skulls, even more than languages,
Europe and parts of Asia and Abrica are the criteria of race. Skulls are
are now being scourged by the epiharder than consonants, and races
demic and plague of the world's "t'k behind when languages slip
greatest war. During all these ages awa,"
the blood-just of man has been accounted.



Types of the Very Long-Armed Gibbon Mentioned by Prof. Keith in the First Division of Surviving Types.

Skulls as Stepping Stones.

Iths and colliths, wherewith premisers of the mammaths and cave bears as the stepping stones of our dead or on the mammoths and cave bears selves," and leads us back and woolly rhinoceroses that roamed through the mystery of around the glaciers of the perilous the ages to the very ori. Pleistocene and Pliocene world. Pregin of man, who, accord. historic man's bones, too, tell us that ing to science, had his he was a warrior from his birth, and ing to science, had his ne was a waited to beginning over a million that his family tree grew in a jungle that his family tree grew in a jungle whence he had to hack his way through. Not to mention the gorilla -the prognathous jaw, the huge masseter muscles, the prominent eyemasseter muscles, the prominent eye-brows, the thick neck of his 'Pilt-down' and 'Neanderthal' cousin—all tell us of a belligerent past and a pugnacious ancestry. Certainly man

Neolithic Man.

Prof. Keith begins with neolithic man, who made the superior flints known as "neoliths.

"Probably European man remained in the neolithic stage for about 10,000 years," says Prof. Keith; "and the next stage, the bronze age. probably began about 2000 B. C.

"Do we find that man's skull developed or changed in shape during these thousands of years? Careful measurements show that the skulls, in all respects, resemble the skulls of the modern 'dolichocephalic' races of Europe. That is to say, they are comparatively long skulls, of good brain capacity. In modern Europe we find both long or 'dollchocephalic,' and short

'brachycephalic'; but the neolithic skulls found in Europe and North Africa are practically all of the long

In this connection Prof. Keith points out that certain tombs (the "megalithic" tombs) of that period found in Kent, and elsewhere in Europe, are structurally the counter-part of the so-called "mastaba" tombs of Egypt. It is a long, long way from to Kent, but scientists have pointed out that the Egyptian tombs were undoubtedly made to preserve the body until the return of the soul, and so they infer that doll chocephalic neolithic man in England, 10,000 or 14,000 years ago, had a firm belief in the resurrection of the body.

Fourteen thousand years ago seems a long time ago," continues Prof. Keith, "but in the middle decades of last century implements, skulls and bones of a very much older date were discovered in various localities. Indeed, the geological strata in which they were found proves them to beneolithic skulls were known as palaeolithic. All of them were dolichocephalic, and most of them were wellas 'Cromagnon' skulls, were actually larger and better developed than the individuals with heads of a very simskulls of modern European man.

The "Monkey-Man" Skull.

"On the other hand, in Gibraltar the average European. and the Neanderthal district some

of still greater antiquity and of lower kinds of men now living.

development even than the Nean—

"A still more amazing discovery derthal skull. It belonged to the was made at Piltdown, in Kent, in Piltocene period of geological history, the form of the famous 'Piltdown' the Neanderthal, the Piltdown and and was therefore, perhaps 500,000 clarks."

Some stars are so far away from the earth, and their light in consequence takes so long to reach us, that it is possible that are supported by the start of the second constant of the second constant

time, and how the stem that produced Man bore several types that have not survived. The figures in feet show depths at which remains were discovered and by which the lapse of time was figured. years old. It was named the 'Pithe- cene period, and, therefore, some- side by side in the Pliocene and even canthropus' skull, or 'monkey-man' thing like 500,000 years old. It was in the Pleistocene period, but that skull.

Canthropus' skull, or 'monkey-man' thing like 500,000 years old. It was in the Pleistocene period, but that found in a fragmentary condition, the Pithecanthropus, the Neander-"At first, as was natural, the Nean- but I reconstructed it, and found, to thal and the Piltdown species all derthal and Pithecanthropus skulls my surprise, that in general confor- died out in recent times. were thought to be the ancestral mation, in actual dimensions and in skulls of modern man, even though brain capacity the head of the Piltit was difficult to believe that the down race was remarkably similar to inferior skull could so quickly have that of modern races, and that the

one. dards. At Galley Hill, in Kent, such thought and dreamt much as we do. a well-developed skull was found. It belonged to the Pleistocene period, developed, while some of them, found and was at least 150,000 years old. "We find that in man, as in most and placed in a centrifugal machine, chiefly in the Dordogne, and known However, in any large modern populanimals, it is not the man with the which removes the concentrated

skulls, were found which were apelike, with low domes, prominent eyebrows and heavy jaws.

Neanderthal jaw of the same date
through 500,000 years."

Hrough 500,000 years."

Prof. Keith reaches the very interbrows and heavy jaws.

Much cheaper to transport than
much cheaper to transport than
through 500,000 years."

Prof. Keith reaches the very interbrows and heavy jaws. "In Java Dr. Dubois found a skull type, bestial in structure beyond all branch of man's family tree gave rise

and was, therefore, perhaps 500,000 skull—a skull delonging to the Plio- the Modern—and that these lived them we now see no longer exist.

developed into the superior modern brain, though in some respects primine. tive, was very like the brain of a "This theory was soon overthrown, normal modern man, so that this long to the Pleistocene period, and to be from 25,000 to some hundreds for skulls of earlier date than the Piltdown man, fighting rhinoceroses the last annual report of the Neanderthal skulls were found all and mammoths in a land now under United States bureau of chemistry. of thousands years old. These pre-

a million years ago; how the Orang, the Chimpanzee and the Gorilla developed at a later

lation on the western side of Europe bigger jaws and the bigger muscles cider, leaving the ice behind. individuals with heads of a very similar shape and size can be found, and that has survived, but the man having the flavor and quala cast of the brain would show a pat- ing the better brain. The Pithecan- ities of the original apple juice. tern not inferior to the pattern of thropus' and the 'Neanderthal' man concentrated cider ferments with low-vaulted skulls have died slowly at refrigerator temperatures "No complete Neanderthal skull so out, while man with lofty-vaulted but at room temperatures ferment skulls, now known as Neanderthal early as this has been found, but a skulls are found to have survived in a few weeks. It is, of course, skulls, were found which were ape. Neanderthal jaw of the same date through 500,000 years."

Concentrated Cider.

WO new products of surplus and cull apples are described in In manufacturing concentrated cider the apple juice is frozen solid and the block of ice is crushed value for table use.



